

## DRAFT

Table 3. Geochemical impacts in deep ground water monitoring wells

Compound	MW01 Phase 3 10/6/2010	MW02 Phase 3 10/6/2010	MW01 Phase 4 4/20/2011	MW02 Phase 4 4/19/2011
pH	13.9	12.0	11.2	11.8
K, mg/L	54.9	39.5	24.7	43.6
Cl, mg/L	23.3	466	23.1	457
CH <sub>4</sub> , mg/L	16.0	19.0	17.9	18.8
Benzene †	nd	246	nd	139
Toluene	0.75	612	0.56	436
Ethylbenzene	nd	67	nd	21.5
Xylenes (total)	nd	750	0.89	362
1,2,4 Trimethylbenzene	nd	69.2	nd	18.5
1,3,5 Trimethylbenzene	nd	35.5	nd	nd
Diesel Range Organics	534	1440	474	4050
Gasoline Range Organics	389	3710	592	2800
Phenol ‡	11.1	56.1	20.9	64.9
Naphthalene §	nd	6.06	nd	6.10
Isopropanol	-----	-----	712	581
Tert-Butyl Alcohol	-----	-----	nd	4470
2-Butanone	-----	-----	nd	120
Diethylene Glycol	-----	-----	226	1570
Triethylene Glycol	-----	-----	46	310
Tetraethylene Glycol	-----	-----	7.3 <sup>c,e</sup>	27.2
2-Butoxyethanol *	-----	-----	nd	nd
2-Butoxyethanol **	nd	nd	12.7	nd
Acetone	-----	-----	79.5	643
Benzoic Acid	212	244	457	209
Acetate	-----	-----	8050	4310
Formate	-----	-----	112	558
Lactate	-----	-----	69	213
Propionate	-----	-----	309	803

† All values in µg/L unless otherwise noted.

----- not analyzed.

nd = not detected.

\* Includes phenol, 2,4-dimethylphenol, 2-methylphenol, 3,5,4-methylphenol.

‡ Includes naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene.

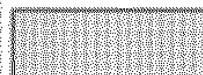
§ Value below quantitation limit of 10 µg/L.

<sup>c</sup> Chemical detected in a blank sample of a similar level.

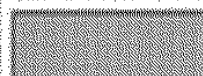
\* 2-Butoxyethanol determined by HPLC-MS-MS.

\*\* 2-Butoxyethanol determined by GC-MS.

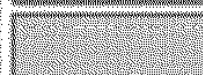
## Inconsistencies with USGS



Not tested by USGS due to faulty monitoring well



Not detected by USGS



Detected at significantly lower level by USGS